ELSEVIER

Journal of Non-Crystalline Solids 216 (1997) 213–215

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index

Alfonsetti, R., see Santucci, S. 216 (1997) 156
Anedda, A., C.M. Carbonaro, R. Corpino and A. Serpi, Low temperature time resolved photoluminescence of the 3.1 and 4.2 eV emission bands in Ge-doped silica 216 (1997) 19

Biasse, B., see Boukenter, A. 216 (1997) 95
Biotteau, G., see Costantini, J.M. 216 (1997) 36
Blondel, M., see Deparis, O. 216 (1997) 124
Bongiorno, A., L. Colombo and M.I. Trioni, Migration of atomic hydrogen in crystalline and amorphous SiO_2: a molecular dynamics study 216 (1997) 30
Bordoni, F., L. Fasciani, R. De Tommasis, A. Di Giacomo and G. Moccia, Scanning capacitance microscope, an alternative technique to the C–V measurement for the SiO_2 characterisation 216 (1997) 180
Boscaino, R., see Cannas, M. 216 (1997) 99
Boscaino, R., see Leone, M. 216 (1997) 105
Boukenter, A., Y. Ouerdane, A. Mure-Ravaud, G. Pandraud, S. Pelissier, F. Pigeon and B. Biasse, Photoluminescence spectroscopy of direct bonded silica based wafers 216 (1997) 95
Boukenter, A., see Goutaland, F. 216 (1997) 135
Boureau, G., see Capron, N. 216 (1997) 10
Boutchacha, T., G. Ghibaudo, G. Guégan and M. Haond, Low frequency noise characterization of 0.25 μm Si CMOS transistors 216 (1997) 192
Brisard, F., see Costantini, J.M. 216 (1997) 36

Candelier, P., F. Mondon, B. Guillaumot, G. Reimbold and F. Martin, Hole trapping in flash EEPROM gate oxide and damages induced by gate to source erasing 216 (1997) 162
Candelier, P., see Nebel, F. 216 (1997) 168
Cannas, M., R. Boscaino, F.M. Gelardi and M. Leone, Stationary and time dependent PL emission of v-SiO_2 in the UV range 216 (1997) 99
Cannas, M., see Leone, M. 216 (1997) 105
Capron, N., A. Lagraa, S. Carniato and G. Boureau, Problems encountered in the simulation of defects in silica and its interfaces 216 (1997) 10
Carbonaro, C.M., see Anedda, A. 216 (1997) 19
Carniato, S., see Capron, N. 216 (1997) 10
Cerofolini, G.F. and L. Meda, Mechanisms and kinetics of room-temperature silicon oxidation 216 (1997) 140
Champagnon, B., see Chemarin, C. 216 (1997) 111
Checchetto, R., L.M. Gratton, A. Miotello and C. Tosello, Deuterium permeation through SiO_2 thin film deposited on stainless steel substrate 216 (1997) 65
Chemarin, C., B. Champagnon and G. Panczer, Effect of fictive temperature on medium range order in v-SiO_2 216 (1997) 111
Clementi, C., see Ghidini, G. 216 (1997) 198
Colombo, L., see Bongiorno, A. 216 (1997) 30
Corni, F., A. Monelli, G. Ottaviani, R. Tonini, G. Queirolo and L. Zanotti, Radiation enhanced transport of hydrogen in SiO_2 216 (1997) 71
Corpino, R., see Anedda, A. 216 (1997) 19
Costantini, J.M., F. Brisard, G. Biotteau and L. Protin, Luminescence of SiO_2 quartz induced by swift heavy ion irradiations 216 (1997) 36

Decréton, M., see Deparis, O. 216 (1997) 124
De la Bardonnie, M., A. Maouad and P. Mialhe, Silicon oxide defects in aging of MOS electronic devices 216 (1997) 209
Deparis, O., D.L. Griscom, P. Mégret, M. Decréton and M. Blondel, Influence of the cladding thickness on the evolution of the NBOHC band in optical fibers exposed to gamma radiations 216 (1997) 124
De Tommasis, R., see Bordoni, F. 216 (1997) 180
Devine, R.A.B., see Girault, V. 216 (1997) 55
Devine, R.A.B., see Vanheusden, K. 216 (1997) 116
Di Giacomo, A., see Bordoni, F. 216 (1997) 180
Di Giacomo, A., see Santucci, S. 216 (1997) 156
Dmowski, K. and A. Halimaoui, The influence of quantum effects on the determination of gate oxide thickness from C–V measurements 216 (1997) 185
Dufour, G., see Rochet, F. 216 (1997) 148

Fama', F., see Grifoni, L. 216 (1997) 202
Fasciani, L., see Bordoni, F. 216 (1997) 180

Ferroni, G., see Polignano, M.L. 216 (1997) 88
Fiorani, P., see Santucci, S. 216 (1997) 156

Gagnaire, A., see Martinet, C. 216 (1997) 77
Gelardi, F.M., see Cannas, M. 216 (1997) 99
Gelardi, F.M., see Leone, M. 216 (1997) 105
Ghibaudo, G., see Boutchacha, T. 216 (1997) 192
Ghidini, G. and C. Clementi, An innovative process sequence to obtain reliable nitrided active dielectrics 216 (1997) 198
Gill, K., R. Grabit, M. Persello, G. Stefanini and F. Vasey, Gamma and neutron radiation damage studies of optical fibres 216 (1997) 129
Girault, V., H. Plantier, R.A.B. Devine and F. Templier, Low temperature, plasma assisted oxidation of amorphous Si 216 (1997) 55
Glachant, A., see Poveda, P. 216 (1997) 83
Goullet, A., see Vallée, C. 216 (1997) 48
Goutaland, F., A. Boukenter, Y. Ouerdane and G. Monnom, Defects studies in silica based optical fibers by laser spectroscopy 216 (1997) 135
Grabit, R., see Gill, K. 216 (1997) 129
Granier, A., see Vallée, C. 216 (1997) 48
Gratton, L.M., see Checchetto, R. 216 (1997) 65
Grifoni, L., P. Massimi and F. Fama', Si_3N_4 thickness and its oxidation time influence on O/N/O DRAM cell performance 216 (1997) 202
Griscom, D.L., see Deparis, O. 216 (1997) 124
Guégan, G., see Boutchacha, T. 216 (1997) 192
Guillaumot, B., see Candelier, P. 216 (1997) 162
Guillot, C., see Rochet, F. 216 (1997) 148

Halimaoui, A., see Dmowski, K. 216 (1997) 185
Haond, M., see Boutchacha, T. 216 (1997) 192

Ieranò, G., see Pacchioni, G. 216 (1997) 1

Joseph, J., see Martinet, C. 216 (1997) 77
Jourdain, M., see Nebel, F. 216 (1997) 168
Jourdain, M., see Yard, G. 216 (1997) 174

Lagraa, A., see Capron, N. 216 (1997) 10
Leone, M., R. Boscaino, M. Cannas and F.M. Gelardi, Low temperature photoluminescence spectroscopy relationship between 3.1 and 4.2 eV bands in vitreous silica 216 (1997) 105
Leone, M., see Cannas, M. 216 (1997) 99
Lozzi, L., see Santucci, S. 216 (1997) 156

Maouad, A., see de la Bardonnie, M. 216 (1997) 209
Martin, F., see Candelier, P. 216 (1997) 162
Martinet, C., V. Paillard, A. Gagnaire and J. Joseph, Deposition of SiO_2 and TiO_2 thin films by plasma enhanced chemical vapor deposition for antireflection coating 216 (1997) 77
Martini, M., F. Meinardi, A. Paleari, L. Portinari and G. Spinolo, Role of impurities in the 5.16 eV optical absorption band of Ge-doped silica 216 (1997) 26
Massimi, P., see Grifoni, L. 216 (1997) 202
Meda, L., see Cerofolini, G.F. 216 (1997) 140
Mégret, P., see Deparis, O. 216 (1997) 124
Meinardi, F., see Martini, M. 216 (1997) 26
Meinertzhagen, A., see Nebel, F. 216 (1997) 168
Meinertzhagen, A., see Yard, G. 216 (1997) 174
Mialhe, P., see de la Bardonnie, M. 216 (1997) 209
Miotello, A., see Checchetto, R. 216 (1997) 65
Moccia, G., see Bordoni, F. 216 (1997) 180
Moccia, G., see Santucci, S. 216 (1997) 156
Mondon, F., see Candelier, P. 216 (1997) 162
Mondon, F., see Yard, G. 216 (1997) 174
Monelli, A., see Corni, F. 216 (1997) 71
Monnom, G., see Goutaland, F. 216 (1997) 135
Mure-Ravaud, A., see Boukenter, A. 216 (1997) 95

Nebel, F., M. Jourdain, A. Meinertzhagen and P. Candelier, Generation of hot holes in MOSFET 216 (1997) 168
Nicolazo, F., see Vallée, C. 216 (1997) 48

Ottaviani, G., see Corni, F. 216 (1997) 71
Ottaviano, L., see Santucci, S. 216 (1997) 156
Ouerdane, Y., see Boukenter, A. 216 (1997) 95
Ouerdane, Y., see Goutaland, F. 216 (1997) 135

Pacchioni, G. and G. Ieranò, On the origin of the 5.0 and 7.6 eV absorption bands in oxygen deficient α-quartz and amorphous silica. A first principles quantum-chemical study 216 (1997) 1
Paillard, V., see Martinet, C. 216 (1997) 77
Paleari, A., see Martini, M. 216 (1997) 26
Panczer, G., see Chemarin, C. 216 (1997) 111
Pandraud, G., see Boukenter, A. 216 (1997) 95
Passacantando, M., see Santucci, S. 216 (1997) 156
Pelissier, S., see Boukenter, A. 216 (1997) 95
Persello, M., see Gill, K. 216 (1997) 129
Petit, C., see Yard, G. 216 (1997) 174
Picozzi, P., see Santucci, S. 216 (1997) 156
Pigeon, F., see Boukenter, A. 216 (1997) 95
Plantier, H., see Girault, V. 216 (1997) 55
Polignano, M.L., G. Ferroni, A. Sabbadini, G. Valentini and G. Queirolo, Study of SiO_2–Si interfaces by photocurrent measurements 216 (1997) 88
Poncey, Ch., see Rochet, F. 216 (1997) 148
Portinari, L., see Martini, M. 216 (1997) 26
Poveda, P. and A. Glachant, Energy gap-determination of a carbon contaminated thermal silicon oxide thin film using reflection electron energy loss spectroscopy 216 (1997) 83
Protin, L., see Costantini, J.M. 216 (1997) 36

Queirolo, G., see Corni, F. 216 (1997) 71
Queirolo, G., see Polignano, M.L. 216 (1997) 88

Reimbold, G., see Candelier, P. 216 (1997) 162
Rochet, F., Ch. Poncey, G. Dufour, H. Roulet, C. Guillot and F. Sirotti, Suboxides at the Si/SiO_2 interface: a Si2p core level study with synchrotron radiation 216 (1997) 148
Roulet, H., see Rochet, F. 216 (1997) 148

Sabbadini, A., see Polignano, M.L. 216 (1997) 88
Santucci, S., R. Alfonsetti, A. Di Giacomo, P. Fiorani, L. Lozzi, G. Moccia, L. Ottaviano, M. Passacantando and P. Picozzi, Compositional and electrical properties of $SiO_2/Si_3N_4/SiO_2$ stacked films grown onto silicon substrates and annealed in hydrogen 216 (1997) 156
Serpi, A., see Anedda, A. 216 (1997) 19
Sirotti, F., see Rochet, F. 216 (1997) 148
Spinolo, G., see Martini, M. 216 (1997) 26
Stefanini, G., see Gill, K. 216 (1997) 129

Tandia, A., Bond length distribution analysis for native oxide structure characterization using atomic scale simulation 216 (1997) 14
Templier, F., see Girault, V. 216 (1997) 55
Tonini, R., see Corni, F. 216 (1997) 71
Tosello, C., see Checchetto, R. 216 (1997) 65
Trioni, M.I., see Bongiorno, A. 216 (1997) 30
Turban, G., see Vallée, C. 216 (1997) 48

Valentini, G., see Polignano, M.L. 216 (1997) 88
Vallée, C., A. Goullet, F. Nicolazo, A. Granier and G. Turban, In situ ellipsometry and infrared analysis of PECVD SiO_2 films deposited in an $O_2/TEOS$ helicon reactor 216 (1997) 48
Vanheusden, K., W.L. Warren and R.A.B. Devine, H^+ and D^+ associated charge buildup during annealing of $Si/SiO_2/Si$ structures 216 (1997) 116
Vasey, F., see Gill, K. 216 (1997) 129

Warren, W.L., see Vanheusden, K. 216 (1997) 116

Yard, G., A. Meinertzhagen, C. Petit, M. Jourdain and F. Mondon, Comparison of the charges generated by Fowler–Nordheim tunneling injection in different oxides of metal–oxide–semiconductor capacitors 216 (1997) 174

Zanotti, L., see Corni, F. 216 (1997) 71

ELSEVIER

Journal of Non-Crystalline Solids 216 (1997) 216–217

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject index

Auger Electron Spectroscopy
Bonding, Silicon Dioxide 216 (1997) 83

Bonding
Auger Electron Spectroscopy, Silicon Dioxide 216 (1997) 83
Structure, Theory 216 (1997) 10

Capacitance Methods
Defects, Silicon Dioxide 216 (1997) 180

Defects
Capacitance Methods, Silicon Dioxide 216 (1997) 180
Fibers, Luminescence 216 (1997) 135
Fluorescence Spectra, Silicon Dioxide 216 (1997) 95
Luminescence, Silicon Dioxide 216 (1997) 99
Luminescence, Silicon Dioxide 216 (1997) 105
Optical Properties, Silicon Dioxide, Theory 216 (1997) 1

Deposition Techniques
Infra-red Absorption, Silicon Dioxide 216 (1997) 48

Devices
Electrical Properties, Silicon Dioxide 216 (1997) 185
Nitrogen-Containing Glass, Silicon Dioxide 216 (1997) 198

Dielectric Properties
Photoconductivity, Thin Films 216 (1997) 88

Diffusion
Hydrogen Effects, Theory 216 (1997) 30
Hydrogen in Glass, Radiation Effects 216 (1997) 71
Impurities, Optical Properties 216 (1997) 26
Oxides, Silicon Dioxide 216 (1997) 140

Electric Properties
Silicon Dioxide, Trapping 216 (1997) 174

Electrical Properties
Devices, Silicon Dioxide 216 (1997) 185
Noise, Silicon Dioxide 216 (1997) 192
Silicon Dioxide, Trapping 216 (1997) 162
Silicon Dioxide, Trapping 216 (1997) 209

Ellipsometry
Silicon Dioxide, Thin Films 216 (1997) 77

Excitons
Ion Irradiation, Luminescence 216 (1997) 36

Fibers
Defects, Luminescence 216 (1997) 135
Radiation Effects, Silicon Dioxide 216 (1997) 124
Radiation Effects, Silicon Dioxide 216 (1997) 129

Fictive Temperature
Raman Spectra, Silicon Dioxide 216 (1997) 111

Fluorescence Spectra
Defects, Silicon Dioxide 216 (1997) 95

Germania
Luminescence, Silicon Dioxide 216 (1997) 19

Hydrogen Effects
Diffusion, Theory 216 (1997) 30

Hydrogen in Glass
Diffusion, Radiation Effects 216 (1997) 71
Ionic Conductivity, Silicon Dioxide 216 (1997) 116
Permeability, Silicon Dioxide 216 (1997) 65

Impurities
Diffusion, Optical Properties 216 (1997) 26

Infra-red Absorption
Deposition Techniques, Silicon Dioxide 216 (1997) 48
Oxides, Silicon Dioxide 216 (1997) 55

Ion Irradiation
Excitons, Luminescence 216 (1997) 36

Ionic Conductivity
Hydrogen in Glass, Silicon Dioxide 216 (1997) 116

Luminescence
Defects, Fibers 216 (1997) 135
Defects, Silicon Dioxide 216 (1997) 99
Defects, Silicon Dioxide 216 (1997) 105

Excitons, Ion Irradiation 216 (1997) 36
Germania, Silicon Dioxide 216 (1997) 19

Mass Spectrometry
Thin Films, XPS 216 (1997) 156

Nitrogen-Containing Glass
Devices, Silicon Dioxide 216 (1997) 198

Noise
Electrical Properties, Silicon Dioxide 216 (1997) 192

Optical Properties
Defects, Silicon Dioxide, Theory 216 (1997) 1
Diffusion, Impurities 216 (1997) 26

Oxidation Reduction
Oxides, Silicon Nitride 216 (1997) 202

Oxides
Diffusion, Silicon Dioxide 216 (1997) 140
Infra-red Absorption, Silicon Dioxide 216 (1997) 55
Oxidation Reduction, Silicon Nitride 216 (1997) 202
Silicon Dioxide, Theory 216 (1997) 14

Permeability
Hydrogen in Glass, Silicon Dioxide 216 (1997) 65

Photoconductivity
Dielectric Properties, Thin Films 216 (1997) 88

Radiation Effects
Diffusion, Hydrogen in Glass 216 (1997) 71
Fibers, Silicon Dioxide 216 (1997) 124
Fibers, Silicon Dioxide 216 (1997) 129

Raman Spectra
Fictive Temperature, Silicon Dioxide 216 (1997) 111

Silicon Dioxide
Auger Electron Spectroscopy, Bonding 216 (1997) 83
Capacitance Methods, Defects 216 (1997) 180
Defects, Fluorescence Spectra 216 (1997) 95
Defects, Luminescence 216 (1997) 99
Defects, Luminescence 216 (1997) 105
Defects, Optical Properties, Theory 216 (1997) 1
Deposition Techniques, Infra-red Absorption 216 (1997) 48
Devices, Electrical Properties 216 (1997) 185
Devices, Nitrogen-Containing Glass 216 (1997) 198
Diffusion, Oxides 216 (1997) 140
Electric Properties, Trapping 216 (1997) 174
Electrical Properties, Noise 216 (1997) 192
Electrical Properties, Trapping 216 (1997) 162
Electrical Properties, Trapping 216 (1997) 209
Ellipsometry, Thin Films 216 (1997) 77
Fibers, Radiation Effects 216 (1997) 124
Fibers, Radiation Effects 216 (1997) 129
Fictive Temperature, Raman Spectra 216 (1997) 111
Germania, Luminescence 216 (1997) 19
Hydrogen in Glass, Ionic Conductivity 216 (1997) 116
Hydrogen in Glass, Permeability 216 (1997) 65
Infra-red Absorption, Oxides 216 (1997) 55
Oxides, Theory 216 (1997) 14

Silicon Nitride
Oxidation Reduction, Oxides 216 (1997) 202

Structure
Bonding, Theory 216 (1997) 10

Theory
Bonding, Structure 216 (1997) 10
Defects, Optical Properties, Silicon Dioxide 216 (1997) 1
Diffusion, Hydrogen Effects 216 (1997) 30
Oxides, Silicon Dioxide 216 (1997) 14

Thin Films
Dielectric Properties, Photoconductivity 216 (1997) 88
Ellipsometry, Silicon Dioxide 216 (1997) 77
Mass Spectrometry, XPS 216 (1997) 156

Trapping
Electric Properties, Silicon Dioxide 216 (1997) 174
Electrical Properties, Silicon Dioxide 216 (1997) 162
Electrical Properties, Silicon Dioxide 216 (1997) 209

XPS
Mass Spectrometry, Thin Films 216 (1997) 156